



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra Geometry

Class: 7

Date: 13. 05.20

Duration: 40 min

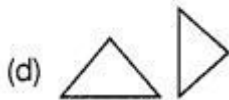
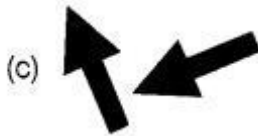
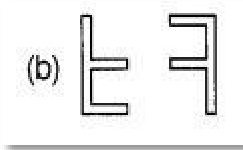
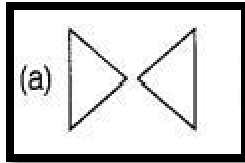
Worksheet Solution 20

Full Marks: 15

REFLECTION

Choose the Correct options:

1. which of the following was reflection to each other?



2. Which of the alphabets do not remain unchanged on reflection

- a. b
- b. b. U
- c. c. M
- d. d. I

3. What does congruent mean?

- a. **Same shape and same size**
- b. Same shape but not necessarily same size
- c. Different shape and different size
- d. Different shape but same size

4. When an ordered pair is reflected across the x-axis, what changes?

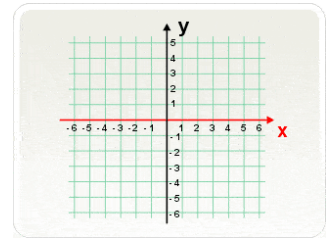
nothing

- a. **y-value**
- b. x-value

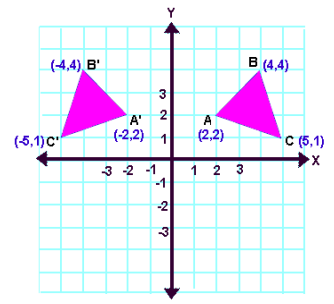
5. When you reflect over the y axis, what stays the same?

- a. x stays the same
- b. **y stays the same**
- c. z stays the same
- d. q stays the same

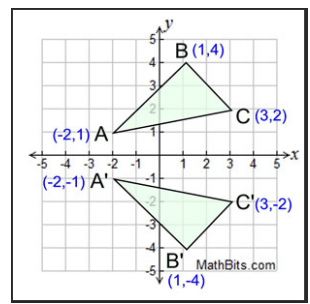
6. What colour is the y-axis?
- red
 - black**
 - green
 - white



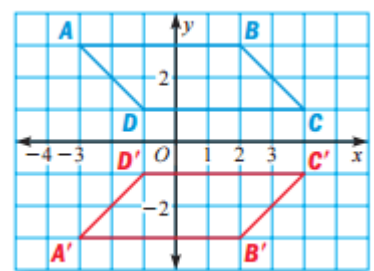
7. What axis is the triangle being reflected over?
- X-axis
 - Y-axis**



8. What axis is the image reflected over?
- X-axis**
 - Y-axis



9. State the line of reflection.
- Reflection across y-axis
 - Reflection across x-axis**
 - Reflection across $x = 1$
 - Reflection across $y = 1$



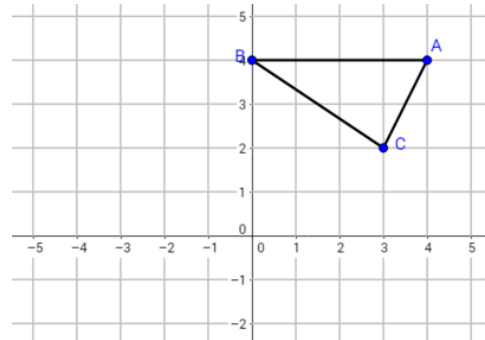
10. Reflect the point $(2, -4)$ over the y-axis.
- $(-4, 2)$
 - $(-2, 4)$
 - $(-2, -4)$**
 - $(2, 4)$

11. Another name for Reflection is...
- flip**
 - turn
 - slide
 - dilation

12. What is the rule for a reflection over the y-axis?
- $(x, y) \rightarrow (x, -y)$
 - $(x, y) \rightarrow (-x, y)$**
 - $(x, y) \rightarrow (-y, x)$
 - $(x, y) \rightarrow (y, -x)$

13. Flipping a figures is a ...
- Rotation
 - Reflection**
 - Dilation
 - Translation

14. Reflect Point C over the y-axis:
- (-3, 2)**
 - (3,2)
 - (-2,3)
 - (3,0)



15. Find K' if the figure is reflected across the x-axis
- (4, 1))
 - (-1, -4)
 - (1, -4)
 - (1, 4)**

reflection across the x-axis

